

# DHARRSAN AMARNATH

SRE/DEVOPS ENGINEER

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Degree	Institution	Years	GPA/Percentage
B.Tech CSE	Vellore Institute of Technology, India	2021-2025	3.12/4.0
High School	J.S.S Private School, Dubai	2018-2021	84.5%

## PROFESSIONAL EXPERIENCE

**DevOps Engineer Intern** | Mphasis

Sep 2023 - Dec 2023

- Managed end-to-end automated deployment pipelines using enterprise Jenkins, resulting in a reduction in deployment time and increased operational efficiency in Client Network.
- Utilized ECS for containerized deployments, achieving increase in operational efficiency.

## TECHNICAL SKILLS

<b>Programming</b>	Python, C++, GoLang
<b>Cloud Faimiliarity</b>	AWS (most proficient), EC2, EKS, ECS, DigitalOcean, RedHat Linux Server Admin
<b>DevOps Tools</b>	JENKINS(CI/CD), TERRAFORM(IaC), DOCKER, ANSIBLE, KUBERNETES, ArgoCD

## PROJECTS

### 1. Python Django Application deployment on AWS with TERRAFORM |

(Done by Sept '23)

- Led the end-to-end deployment of a Python Django application on AWS, utilizing Terraform to automate infrastructure provisioning and streamline resource allocation, resulting in a 1.5x decrease in costs while maintaining high system performance.

### 2. Jenkins Shared Library Project |

(Done by Oct '23)

- Developed a Jenkins Shared Library Project, optimizing CI/CD pipelines organization-wide; reduced deployment time by 2/5th and enhanced development efficiency by enabling code reusability across teams.

### 3. Kubernetes deployment on EKS |

(Done by Nov '23)

- Orchestrated Kubernetes deployment on Amazon EKS, ensuring seamless container orchestration and scaling for mission-critical applications.

### 4. Cluster and Pod/Container monitoring |

(Done by Dec '23)

- Kubernetes Cluster and Pod/Container monitoring with Grafana Prometheus using HELM CHARTS and RBAC

## POSITIONS OF RESPONSIBILITY

### NATIONAL TEAM CAPTAIN

March 2022 - Present

*Team Vimaanas Inc.*

- Captaining VIT's highest ranked 2nd overall internationally in Lakeland, Florida USA in the SAE Aerodesign competition which focuses on building R/C Aircrafts.
- The team is ranked 1st in the latest national level competition of Aerodominator held at Vellore, India.

### VICE CHAIRPERSON

Feb 2022 - Present

*IEEE Computer Society, VIT Vellore*

- As a technical senior at the student chapter i have initiated collegiate projects involving crucial techniques like Load Balancing and Distributed Systems
- Coordinator at HackBattle, a 36hr hackathon. Brought in Sponsors and Guest Speakers for the event.

### STUDENT MANAGER

Jan 2023 - Feb 2023

*RIVIERA'23 '24 Pro-Shows Stage committee*

- Riviera is India's 2nd biggest college cultural festival in which i had the opportunity to be part of the student council of ProShows, the mega 4 day concert of 15,000 footfalls.